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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/889,374	07/16/2001	Masashi Nakamura	450106-02851	2674

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EXAMINER

PERUNGAVOOR, VENKATANARAY

ART UNIT	PAPER NUMBER
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2132

DATE MAILED: 05/27/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/889,374

Applicant(s)

NAKAMURA ET AL.

Examiner

Venkatanarayanan Perungavoor

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
 - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
 - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
 - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 19 April 2005.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-18 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-18 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

DETAILED ACTION

Response to Arguments

1. The Applicant's arguments filed on 4/19/2005 is not persuasive. As Vainsencher in U.S. Patent 5977997 teaches of an interface coupled to the bus to enable blocks to be added and changed.

Response to Amendments

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

- (a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.

3. Claim 1-18 rejected under 35 U.S.C. 102(a) as being anticipated by U.S. Patent 5,977,997 to Vainsencher.
4. Regarding Claim 1, Vainsencher discloses the plurality of digital signal processing blocks see Col 4 Ln 60-67, the host arithmetic operation processing block and bus connecting the host arithmetic processing block and digital signal processing blocks see Col 2 Ln 64- Col 3 Ln 15, and interface that is coupled to the bus and can enable blocks to be added and changed see Col 5 Ln 45-52 & Col 6 Ln 65- Col 6 Ln 13, and encrypting the data of stream see Col 2 Ln 64- Col 3 Ln 15 & Figure 2 (item 202, 214 236, 242, 222).

5. Regarding Claim 2, The “encrypting / decrypting means for encrypting / decrypting the data of the stream transferred through said bus” is met by Vainsencher see Column 3 Line 15-25.
6. Regarding Claim 3,8,12 and 17, The “data of the stream contains video or audio data” is met by Vainsencher see Column 4 Line 21-24 & Column 4 Line 46-48.
7. Regarding Claim 4,9,13 and 18, The “video data and / or the audio data has been compressed” is met by Vainsencher see Column 5 Line 2-8 & Column 5 Line 45-52.
8. Regarding Claim 5 and 14, The “bus is a general-purpose bus, and wherein each block connected to said bus can be added or substituted” is met by Vainsencher see Column 5 Line 32-44.
9. Regarding Claim 6, Vainsencher discloses the plurality of digital signal processing blocks see Col 4 Ln 60-67, the host arithmetic operation processing block and bus connecting the host arithmetic processing block and digital signal processing blocks see Col 2 Ln 64- Col 3 Ln 15, and interface that is coupled to the bus and can enable blocks to be added and changed see Col 5 Ln 45-52 & Col 6 Ln 65- Col 6 Ln 13, and encrypting the data of stream and is output through

an interface of providing medium see Col 2 Ln 64- Col 3 Ln 15 & Figure 2 (item 202, 214 236, 242, 222).

10. Regarding Claim 7 and 16, The "interface of the extension function providing medium includes encrypting / decrypting means for encrypting / decrypting data of a stream that is output through said interface of the extension function providing medium" is met by Vainsencher see Column 5 Line 15-31 & Figure 2.
11. Regarding Claim 10, The "structuring functions necessary for processing a digital signal as a plurality of digital signal processing blocks and a host arithmetic operation processing block; connecting the host arithmetic operation processing block and the plurality of digital signal processing blocks through the bus; providing a means coupled to said bus to enable a block to be added to said bus or to enable a block connected to said bus to be changed and encrypting data of a stream transferred through the bus" is met by Vainsencher see Column 2 Line 64- Column 3 Line 21 & Figure 2(item 202, 214 236, 242, 222) & Col 5 Ln 45-52 & Col 6 Ln 65- Col 6 Ln 13.
12. Regarding Claim 15, The "structuring functions necessary for processing a digital signal as a plurality of digital signal processing blocks and a host arithmetic operation processing block; connecting the host arithmetic operation processing block and the plurality of digital signal processing blocks through a bus; providing

a means coupled to said bus to enable a block to be added to said bus or to enable a block connected to said bus to be changed; and encrypting the data of the stream that is output through the interface of the extension function providing medium when the data of the stream is transferred to the extension function providing medium through the bus” is met by Vainsencher see Column 2 Line 64- Column 3 Line 21 & Figure 2 & Column 5 Line 15-31 & Col 5 Ln 45-52 & Col 6 Ln 65- Col 6 Ln 13.

Conclusion

13. THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

14. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Venkatanarayanan Perungavoor whose

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telephone number is 571-272-7213. The examiner can normally be reached on 8-4:30. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Gilberto Barron can be reached on 571-272-3799. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

15. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Venkatanarayanan Perungavoor
Examiner
Art Unit 2132

Vp
5/20/2005


GILBERTO BARRON JR.
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100